

W5YI REPORT

Up to the minute news from the world of amateur radio, personal computing and emerging electronics. While no guarantee is made, information is from sources we believe to be reliable. May be reproduced providing credit is given to The W5YI Report.

Dits & Bits

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May 15, 1987

Dayton HamVention - A huge success!!

The 1987 Dayton HamVention, as always, was well organized ...and very well attended. Attendance was estimated in the thirty thousand area. Frank Schwab, W8OK, of the Publications Committee told us he printed up over 24,000 program booklets and ran out early Sunday. It is, by far, the largest convention of amateur radio operators in the U.S. ...and probably the world. Just about anyone that is anyone in amateur radio was there.

As always, it was not without its moments! Every year 'something' bizarre happens. Last year one amateur was selling hand grenades in the flea market, a light plane landed in a back field - and a small electrical fire caused evacuation of one of the commercial exhibit rooms. This year it was counterfeit HamVention tickets.

Some enterprising individual (or group) rubber stamped up yellow admission tickets and sold about 300 of them at a discount to amateurs enroute to Hara Arena from the various outlying parking areas. We also understand that some were sold out-of-state. The bogus ticket scam made the local TV and newspaper media. It is not known who or what group was responsible, but at press time DARA was working on some hot leads ...license plate numbers and such.

The Dayton Amateur Radio Association

distributed some 5,000 complimentary tickets to youngsters in the area. Over 200 amateurs took upgrade VE/VEC examinations. The Saturday night banquet was packed.

AMATEUR INDUSTRY MEETING....

Amateur industry commercial exhibitors held a meeting on Thursday evening, April 23rd. It was well attended and chaired by Gordon West, WB6NOA, of the West Radio School. Discussed was:

(1.) Impact of Novice Enhancement on amateur sales and the response that various firms had received from mailings to new Novice operators.

(2.) The "220 Threat" and Novice activity on 220 MHz was also covered. 73 Magazine's Wayne Green/W2NSD gave a report on the status of 220 MHz - as did Dave Sumner/K1ZZ, Executive VP of the League. Some 1,100 comments have already been filed. An advertisement was circulated showing that Aerotron (Raleigh, NC) already was selling commercial ACSB equipment for the 216-222 MHz band! May 21st is the final date for filing your opposition to the possible loss of the top 2-MHz of the 220-225 MHz ham band.

(3.) An update on the status of the "New World of Amateur Radio" - a new video promoting amateur radio was given by producers

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But the prize for the most novel new amateur radio gadget belongs to Kenwood! Their IP-100 "Illustphone" digitizes handwritten or drawn artwork using a supplied ballpen on a sheet of paper placed over an electronic tablet. The "Illustphone" connects

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We have developed a complete Novice Package that
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to the mike jack of your transceiver. You can communicate at 1200 baud in real-time by writing or drawing graphics to a similarly equipped amateur station! You can even direct written memos to a particular amateur by dialling up one of a thousand different code group settings.

FCC FORUM HELD ON SUNDAY, APRIL 26

We didn't get a chance to attend the FCC Forum because we were so busy in our booth. Both Johnnie Johnston/W3BE (Chief of the Personal Radio Branch) and Ray Kowalski, Chief of the FCC's Special Services Division were there. We telephoned Ray right after the HamVention, however, to find out what was covered.

PRIVATIZATION OF AMATEUR CALL SIGNS

"There were a lot of people that wanted to discuss that with us at Dayton. We have extended the time (to July 31) on that so we have only gotten a couple of comments on the proposals. We have gotten a lot of public opinions on the program ...not necessarily from people that might be interested in trying to carry out the program. I don't believe any group has applied to issue (secondary amateur radio) call signs. I know of a couple who were ready to apply and when the deadline was extended, chose to wait until later. The public comment is 50/50. It seems to be fairly evenly divided between people who welcome the opportunity to get a custom call sign ...and those who don't want the call signs of decedents to be reassigned."

ON AMATEUR AIRWAVE INDECENCY....

The main FCC forum discussion at Dayton dealt with airwave indecency, I was told. I asked Kowalski if the FCC Review Board ruling on Hildebrand/N5BHU became the wording of the new definition of amateur and broadcast indecency some four years ago. "The Review Board overturned the ALJ's decision. The Commission's general counsel may have picked it up from that proceeding, I don't know."

David Hildebrand's amateur license was ordered revoked for using foul language on

the air by an FCC administrative law judge back in 1982. An FCC Review Board review of that ruling later reversed the ALJ's decision on First Amendment grounds. The PRB appealed to the full Commission. During the lengthy appeal process, Hildebrand's amateur license has been more or less in a holding pattern. I asked Ray, what would be the final disposition of the license now that the Commission has defined amateur airwave indecency.

"The Commission gave us direction with regard to Mr. Hildebrand's future. The Commission said that his conduct would have warranted a fine. That implies that the Commission was not inclined to revoke his license nor put him off the air ...nor prevent him from upgrading or otherwise operating as an amateur radio operator so long as he observed the provisions of §Part 97.119 (on obscene, indecent or profane words, language or meaning.)

"In light of what I think is the Commission's direction, I think that his applications will be processed and eventually granted." (Hildebrand upgraded to General Class about a year ago, but his application for upgrade has been held in abeyance.)

"We told the forum at Dayton that we are sitting down now with the guidance that we have received from the Commission in that decision and putting together a policy to implement." Asked if this will be a new written policy, Kowalski responded "No, it won't be a written policy that is distributed although that might not be a bad idea since the area has been clouded for so long."

ON AN AMATEUR ETHICS COMMITTEE

I also discussed the (Commissioner) Mimi Dawson suggestion that perhaps an Amateur Ethics Committee was needed. "That was Commissioner Dawson's idea," Ray said, "and while a whole lot has not been done to implement that, that is not to say that it couldn't be done. One other thing that I think bears on this is at the Open Commission Meeting when the five obscenity/indecency items were considered (on April 16th) by the Commission ...when it came to the amateur radio item

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...the Hildebrand item, Mimi Dawson said that she found that item to be the most disturbing of all. I told the people at the (Dayton FCC) forum that, too. It was not good news that the Commission had included an amateur case in the package of obscenity and indecency matters it considered. It was indicative of a problem in amateur radio."

"Commission Dawson's idea was not only in the area of obscenity and indecency, but in the entire area of good amateur practice. I think there well may be a roll to be played in an advisory capacity ...amateurs in a give-and-take capacity - letting us know what is or is not acceptable on amateur frequencies ...not only in the area of indecency but in the entire area of good amateur practice. There are statutes that deal with advisory committees. It is a little more complicated than merely setting up a 'give-and-take'. I think that the idea is a good one and could be useful - whatever form it might take ...whether it would have to comply with the Advisory Committee Act or whether there could be something less formal which didn't circumvent that law."

CLARIFICATION ON THE KOWALSKI AWARD

Kowalski also said that he felt that we may have implied that there was some impropriety in his accepting the Bowler Award from NABER, the National Association of Business and Educational Radio. Ray was awarded the first annual Bowler Award on March 9th.

Eugene Bowler, a former Private Radio Bureau division chief, died from cancer at age 39. "NABER wanted to do something to commemorate Gene," Ray told us. "They established the award and the qualifications to get it had nothing to do with Land Mobile. NABER doesn't even decide who gets it. They have an independent three person committee. The award has nothing to do with Land Mobile - except that Gene was the Chief of the Land Mobile Division and that NABER is a Land Mobile trade organization."

Kowalski was concerned that "there seems to be a growing belief that ...for getting an award, I personally am somehow giving

away the 220 band." I apologized to Ray and told him I would clear the air. He said our report that his acceptance "was raising some eyebrows" had been republished and distorted in other journals.

He acknowledged that while we correctly reported that the Docket 87-14 220-222 MHz issue did not originate with the Private Radio Bureau, at least one national amateur publication saw fit to report that the award was given "to an individual perceived to have contributed significantly to the Land Mobile industry."

Actually the NABER award is given for "government career excellence" (which we also reported.) Docket 87-14 is a OET (Office of Engineering and Technology) matter and did not come out of PRB.

CRACKDOWN ON ILLEGAL CB EQUIPMENT

U.S. Marshalls, assisted by investigators from the FCC's New York Office have confiscated an estimated \$7,500 worth of illegal CB radio equipment from Cargo Sales, Inc., of Rochelle Park, New Jersey. This action was part of a continuing enforcement program designed to ensure compliance with the FCC ban on manufacturing and selling CB linear amplifiers and other non-type accepted transmitters. An initial violation of this law is punishable by a maximum fine of \$100,000 and up to one year imprisonment.

On May 8th, Congressman Jim Bates and officials from the FCC's San Diego, California, office publicly smashed unlawful Citizen Band radio transmitting equipment with a sledge hammer. The gear, which had been voluntarily forfeited to the FCC, was then flattened by a tractor with a large roller. The forfeited equipment had a street value of about \$10,000. In 1984 and 1985, Bates introduced legislation in the House to curb radio interference in the San Diego area. The San Diego FCC office issued fines totalling \$6,375 to CB operators and stores during 1986.

● The Antique Radio Club of America will hold its 1987 National Convention at the Sheraton Hotel (8500 Annapolis Road, New Carrollton, MD 20784) June 10-13. Info available from: Brian Belanger at (301) 340-9020

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FEBRUARY VE/VEC PROGRAM STATISTICS

	February 1985	1986	1987
No. VEC's:	*53	*76	*63
No Testing Sessions:	168	282	304
VEC:	1986:	1987:	
ARRL	49.3%	42.1%	
W5YI	16.3%	28.9%	
CAVEC	7.4%	5.6%	
DeVRY	6.0%	5.6%	
WCAR	2.8%	3.0%	
GLAARG	1.8%	2.3%	
All Others	16.4%	12.5%	
No. Sessions Per VEC:	3.17	3.71	4.83
Year-to-Date Test Sessions:	387	548	592
No. Elements Admin.:	3,428	4,451	4,775
VEC:	1986:	1987:	
ARRL	53.5%	43.9%	
W5YI	15.1%	18.6%	
CAVEC	5.6%	6.3%	
DeVRY	4.2%	3.4%	
WCAR	3.5%	3.5%	
GLAARG	2.1%	2.8%	
All Others	16.0%	21.5%	
No. Elements Per Person	1.67	1.47	1.47
Year-to-Date Elements:	8,718	8,662	9,161
No. Applicants Tested:	2,053	3,025	3,258
VEC:	1986:	1987:	
ARRL	51.7%	51.1%	
W5YI	16.1%	18.8%	
CAVEC	5.4%	5.6%	
WCAR	3.8%	3.8%	
DeVRY	4.3%	3.7%	
GLAARG	2.4%	2.8%	
All Others	16.3%	14.2%	
Applicants Per Session	12.2	10.7	10.7
Year-to-Date Applicants:	5,717	5,970	6,197
Pass/Upgrade Rate/All:	56.3%	61.7%	61.7%
Pass/Upgrade Rate/W5YI:	62.4%	64.1%	57.7%
Persons/Session/W5YI:	16.9	9.6	8.3

(Note: FCC considers: ARRL/W5YI/DeVRY to be 13 VECs each since VEC's are appointed on a regional basis.)

[Source: FCC, Washington, D.C. 20554]

The Jack Ravenscroft/VE2SR amateur radio interference to a neighbor's appliances appeal won't be heard until October. Meanwhile the plaintiffs are seeking financial support from manufacturers of consumer electronic equipment. (See 3/15/87 W5YI Report)

AMATEUR RADIO CALL SIGNS...

issued as of the first of May.

Radio District	Gp."A" Extra	Gp."B" Adv. Tech/Gen.	Gp."C" Novice	Gp."D"
0	NX0T	KE0MN	N0HWQ	KA0ZVU
1	NJ1R	KC1DI	N1ETN	KA1PZR
2	NW2K	KD2ZG	N2HBX	KB2DEB
3	NG3C	KD3BR	N3FKO	KA3RHU
4	AB4AL	KK4KT	N4PVT	KB4YZK
5	WX5R	KF5XE	N5KLY	KB5CSA
6	AA6CB	KI6RM	N6PEX	KB6RII
7	WA7D	KE7ZM	N7JEE	KB7BID
8	NW8J	KE8KY	N8IEC	KB8BUK
9	NR9R	KE9DS	N9GKO	KA9YFG
N.Mariana I.	AH0E	AH0AC	KA0AI	WH0AAG
Guam	KH2A	AH2BQ	KH2CK	WH2AKX
Johnston Is.	AH3A	AH3AC	KH3AB	WH3AAC
Midway Is.		AH4AA	KH4AD	WH4AAF
Palmyra/Jarvis	AH5A			
Hawaii	(*)	AH6HU	NH6JE	WH6BPX
Kure Isl.			KL7AA	
Amer.Samoa	AH8C	AH8AC	KH8AD	WH8AAW
Wake Wilkes Peale		AH9AC	KH9AD	WH9AAF
Alaska	(*)	AL7IY	NL7KM	WL7BNR
Virgin Is.	KP2S	KP2BD	NP2CB	WP2AFN
Puerto Rico	WP4X	KP4MX	WP4EM	WP4GZP

[Note: All Group "A" call signs have been assigned in Hawaii and Alaska. Group "B" (2X2) format now being assigned to Extra Class.]

● We reported in our April 1st newsletter that Kenwood had expanded and moved to a new facility in Carson, California. Even though geographically in Carson, postal authorities advise the street and P.O. Box carries a Long Beach mailing address. Address for Kenwood U.S.A. Corporation is: 2201 East Dominguez Street, Long Beach, CA 90810. Mailing address: P.O. Box #22745; Long Beach, CA 90801-5745. Telephone number: (213) 639-9000.

● AMECO has a new \$19.95 Morse Code Course on a 5 1/4" floppy disk for the IBM-PC/-XT/AT or other 100% compatible. Generates code at any speed and tone ...sends infinite random characters and QSO conversations similar to VEC tests. Menu driven with over 18 options. Catalog No. 107-PC (AMECO, 220 E. Jericho Turnpike, Mineola, NY 11501)

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AMATEUR/BROADCAST/CABLE 'LANGUAGE'

The FCC released a 12-page Memorandum Opinion and Order on April 29th on the David Hildebrand/N6BHU amateur language proceeding. Since we pretty much covered this matter in our last newsletter based on the information we had obtained and our bulging file, we won't go into the history of the landmark ruling again ...except to point out the following interesting points.

(1.) The Commission used an amateur radio language proceeding as the basis of a ruling that applies to all broadcast media. It does not apply to cable, however.

(2.) The Commission ruled that amateur radio is sufficiently like broadcasting (as opposed to being a private two-way conversation) since amateur radio is:

- a participatory medium used for multi-party conversations
- amateur radio conversations occur in public over shared public channels of communication
- members of the public, including children, are encouraged to become licensees and to monitor and participate freely in conversations throughout the area, the country and the world. (The FCC said that both the boy and girl scouts encourage interest in amateur radio.)
- amateur transmissions are becoming increasingly available to the general radio audience - including children.
- amateur services require licensing in the public interest.

(3.) Hildebrand said that Senator Barry Goldwater/K7UGA "prejudicially influenced" his case and moved for dismissal (which was denied.) Goldwater wrote FCC Chairman Fowler in 1983 stating "I wouldn't give that fellow back his license as we say, 'pull the switch' on him."

(4.) The ARRL legally intervened late in the matter "because its members would be affected by the lack of enforceability of §Part 97.119 and because ARRL members would be subjected to indecent language." Richard N. Reimer/W6ET, the 01/61 "Animal Farm" repeater custodian, also filed a

Petition to Intervene - both were denied by the Commission since they were not timely. The League's comments, however, were accepted as "advice."

(5.) "Cable television and other subscription services in which subscribers must make an affirmative decision and take some action to subscribe to potentially indecent programming, such as acquiring a decoder or converter to receive the service..." are exempt from the indecent language rules that apply to the amateur and commercial broadcaster. Thus, HBO - and other cable or satellite-delivered services - can (and do) use 'colorful' language in their programming. This is a difference which, for the most part, the public is not aware of.

INDECENCY RULING AND 'SHOCK RADIO'

The radio/TV industry is well aware of the new broadened definition of indecency ...and so is cable. National cable penetration has reached 48.7% of all U.S. households - up 4% from a year ago. Some broadcasters aren't happy that the ruling might put them at a disadvantage to cable. The FCC has said that future violations might result in something stronger than warnings. A lawyer for the NAB said he questions whether the Commission's ruling is really constitutional.

The Pacifica Foundation, which was named in the original 1978 George Carlin "seven dirty words" monologue decision could lose its KPFK-FM license for broadcasting "patently offensive" material about safe sex between men. They, like other stations, maintain their broadcasts are a public service. Pacifica has filed suit against the FCC. Another station (WSPR-AM, Springfield, MA) gives away red, white and blue condoms embossed with their call letters ("installation costs extra") "...to call attention to the issue of AIDS."

"Shock jocks" - disc jockeys that use off-color humor to attract listeners - reacted to the ruling with anger and satire. They could be fined up to \$2,000 a day and their stations could lose their licenses.

There is reason to believe now that

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Be certain shipping light. The check only 195 basic. **1 b C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X** **Y** **Z** **a** **b** **c** **d** **e** **f** **g** **h** **i** **j** **k** **l** **m** **n** **o** **p** **q** **r** **s** **t** **u** **v** **w** **x** **y** **z** **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N** **O** **P** **Q** **R** **S** **T** **U** **V** **W** **X</**

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The message stuck. Four years later the astute council and city attorney recalled that presentation when preparing the new agreement. Channel E is in the amateur two-meter band, J and K near the bottom of the 220-band. WW and XX are in the 440 band.

May 15, 1987

● The FCC has issued their Semiannual Regulatory Agenda listing "major items and significant proceedings under development or review..." The petitions from STI, LAOAD and LMCC (RM-4831, RM-4983 and RM-4829) seeking allocation of 216-222 MHz for NB (narrowband) land mobile operations due for Report and Order on/about Sept. 30, 1987.

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● FCC action terminating "Creation of a New Consumer Radio Service" appears in the April 29th Federal Register (Page 15516). Reason for discontinuing consideration of CRS listed as opposition of licensees to restructuring the GMRS and "weak demand" for a new low-power personal radio service.

● PRB-1 comes to Canada! DOC Discussion Paper (similar to our FCC Notice of Inquiry) entitled "Jurisdictional Issues in the Regulation of Antenna Structures" suggests the regulation of the aesthetic and safety aspects of antenna structures should not "sterilize" radiocommunications which is a federally-regulating undertaking.

CABLE OPERATORS WARNED ON LEAKAGE

The April 22nd Federal Register carried the following notice: "The FCC is concerned about the excessive levels of radio frequency (RF) energy leaking from cable television systems. Excessive leakage can cause harmful interference to communications users, including such safety-of-life services as aviation, police and fire. An adequate monitoring and maintenance program by cable system operators can minimize the potential for interference problems."

FCC requires cable television firms to make formal leakage measurements annually and requires an ongoing program of monitoring for signal leakage at systems which utilize aviation frequencies.

"The quantity and level of leaks found during our inspections indicate that many monitoring and maintenance programs are either inadequate or nonexistent."

"Failure to provide an adequate program of regular leakage monitoring and repair, as evidenced by system logs, leakage and other information found during an FCC inspection, may result in a monetary forfeiture for the willful violation of FCC rules."

"Leakage detected during an FCC inspection which could have been prevented, had an adequate monitoring program existed, may be also deemed willful and result in a forfeiture."

REGENCY SEEKS SCANNER LABELING

Through its attorneys, Regency Electronics of Indianapolis, Indiana, has submitted a Petition for Rulemaking (assigned: RM-5836) urging the FCC to require labeling on all consumer communication scanner devices. The statement would read:

"Improper use of this device may violate the provisions of the Electronics Communications Privacy Act (EPCA) of 1986 through the intentional unauthorized interception of protected radio communications."

In support of their petition, Regency notes that many scanners are capable of receiving a wide range of frequencies from 25-MHz to 2.0 GHz. "Scanners assist reporters in covering the news and rescue crews in handling emergencies. They provide an audio window-on-the-world for hundreds of thousands of Americans who own them."

Until last year, passive listening was not illegal - only its divulgence or use of the information monitored. "Recognizing that passage of the EPCA brought a new standard of privacy to many previously accessible radio services, the Congress urged that informative labels be required by the Commission for cellular, scanning and satellite video equipment."

Passive reception of certain communications can now be a crime. Certain protected (unscrambled) common carrier, cellular and other communications can easily be monitored on scanners "as well as virtually all television sets manufactured prior to 1982."

Regency believes all consumers should be fully informed of the new law. "...a simple accurate disclosure statement will help to fully apprise members of the public of their respective rights and liabilities with respect to scanners. It may help avoid the possibility that a consumer could be held liable or criminally prosecuted for the use of a scanning device," the petition reads

The Commission is also considering a proposal filed by the Washington Legal Foundation requiring the disclosure that unscrambled cellular telephone devices are subject to

third party monitoring.

Regency also notes that there are devices on the market selling for as little as \$195 which prevent cellular communications from being monitored by scanners. "Manufacturers are also developing microchips at a cost of as little as \$7.00 which can be implanted in the cellular phones and can scramble the signals...." Regency said Congress did not intend for manufacturers to alter scanning devices to protect the consumer from unauthorized interception.

"Deletion of 'protected' frequencies would eliminate the availability of scanners capable of receiving the 'protected' frequencies for permissible purposes as defined under the EPCA. ...There are well over 1,000 frequencies which may be entitled to protection and they are literally scattered throughout the spectrum from 35 MHz to 960 MHz."

"Included are frequencies allocated not in blocks, but separated by frequencies the reception of which is legal. In some cases frequencies are shared between services which are legal to monitor and those which may be protected."

"In other cases, different frequencies which may be entitled to protection are assigned to different cities and services. Finally the specific frequencies that are in fact 'protected' are subject to change. Designing a receiver under these circumstances would be prohibitively expensive ...and may in fact be impossible."

"...a labelling requirement strikes an equitable and effective balance between freedom of the consumer to access the airwaves, which is critical for our society, and the legitimate desire of the individual for privacy of communications."

NEW GEARVAKF BULLETIN PUBLISHED

As usual, Joe Ventolo, K8DMZ, was at Dayton passing out his widely quoted GEARVAKf Bulletin that spoofs amateur radio. (Copy available for \$1.00 donation to: 356 Coronado Trail, Enon, OH 45323.) Some of the foolishness covered in the latest issue:

Are Birds Source of Dangerous Microwave Radiation? (Results of \$250,000 federally funded study by Dr. T. Ree Nestor, DDS - Director of Dangerous Stuff).

Gearvakf Official Supervises all VECs (Various Electrical Cords)

Packets Make Excellent Gifts - (gift-wrapped complete with header stating donor's call and digipath.)

Dayton HamVention to Move Says Rumor - (to Peterborough, New Hampshire)

Special Digital (48-hour) Wristwatch Developed (that runs at half speed.)

Color Code Ham Bands - (Coded by Class of license authorized. Easier for Novices.)

U.S. RECRUITING SECURITY PERSONNEL

The U.S. Department of State also had a booth at Dayton. They were trying to recruit Security Engineers for the Diplomatic Service who could interpret building plans and had knowledge of electrical, telephone and door control systems.

The D.O.S. thought that ham radio operators, especially those with engineering degrees, would make excellent professional electronic snoopers. Knowledge of computer applications and/or programming "helpful." Annual salary to \$40,800 with duty overseas at such places at Beijing and Moscow.

The job description was interesting! "Surveillance countermeasure inspections requires the extensive use of modern electronic equipment designed specifically for locating eavesdropping transmitters and inspecting telephones. A purely manual (and often dirty) physical search is also necessary, and may involve the removal of walls, ceilings and floors to determine if a well concealed device is present. Security Engineers plan, install and maintain special conference room facilities at certain missions." ...etc.

Applicants must be eligible to receive a Top Secret clearance, be willing to live overseas and be separated from their families. (Apply to: Recruitment/D.O.S., P.O. Box #9653, Rosslyn Station, Arlington, VA 22209 or call Mrs. Ashton at (703) 235-9370)